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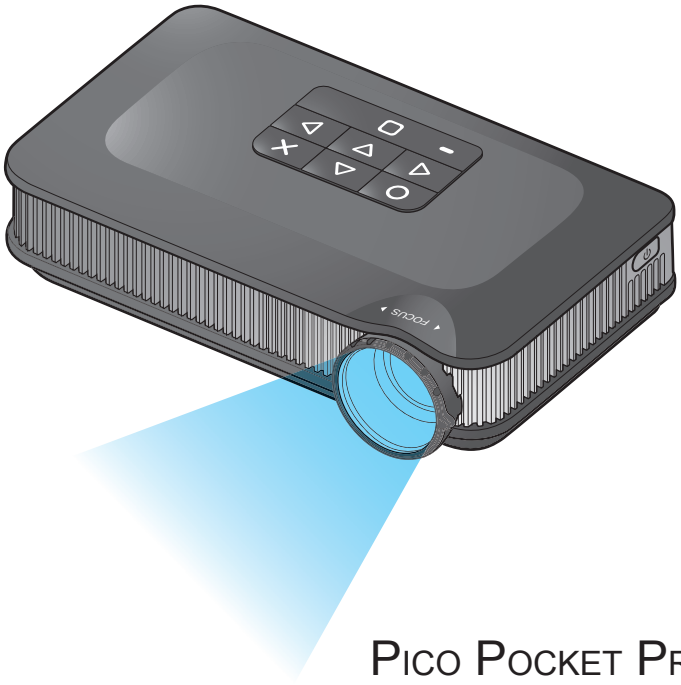
Optoma®



Pico Pocket Projector
User Manual

CLASS 1 LED PRODUCT

Eye Safety Warnings

⚠	Avoid staring/facing directly into the projector beam at all times. Keep your back to the beam as much as possible.
⚠	A stick or laser pointer is recommended to avoid the need for the user to enter the beam.
⚠	When projector is used in a classroom, adequately supervise students when they are asked to point out something on the screen.
⚠	In order to minimize power, use room blinds to reduce ambient light levels.

A.2.9.31 Gloss of housing of peripheral devices (15th / 22 meeting AG1 EK1):

The requirements for the gloss of housing apply to peripheral devices used at the visual display workplace according to BildscharbV. Peripheral devices intended for use outside the visual display workplace can receive a GS-Mark if the scope is indicated in the User's Manual as well as the certificate.

That means the following wording is possible in situations where the use within the field of view is not intended and where sufficient hints are given in the User's Manual for the avoidance of such situations to ensure that display work is not affected.

Wording in the certificate: "This device is not intended for use in the direct field of view at visual display workplaces. To avoid incommoding reflexions at visual display workplaces this device must not be placed in the direct field of view."

Important Safety Instruction

1. Do not block any ventilation openings. To ensure reliable operation of the projector and to protect from over heating, it is recommended to install the projector in a location that does not block ventilation. As an example, do not place the projector on a crowded coffee table, sofa, bed, etc. Do not put the projector in an enclosure such as a book case or a cabinet that restricts air flow.
2. Do not use the projector near water or moisture. To reduce the risk of fire and/or electric shock, do not expose the projector to rain or moisture.
3. Do not install near heat sources such as radiators, heaters, stoves or any other apparatus such as amplifiers that emits heat.
4. Do not use the projector in direct sunlight.
5. Do not use near any appliance generating a strong magnetic field.
6. Do not use the projector in areas susceptible to excessive dust and dirt.
7. Turn off the product before cleaning.
8. Turn off the product before removing the battery.
9. Disconnect the battery if the product is not being used for a long period of time.
10. Ensure that the ambient room temperature is within 5- 35°C.
11. Relative Humidity is 5 - 35°C, 80% (Max.), non-condensing.
12. Do not expose the battery to temperatures above +60°C (+140°F)
13. New or idle batteries can have short-term reduced capacity. Fully charge the battery before initial use.
14. Do not put the battery into your mouth.
15. Do not let the battery contacts touch another metal object.
16. Do not drop, throw or try to bend your product.
17. May explode if disposed of in fire.
18. Clean only with dry cloth.
19. Only use attachments/accessories specified by the manufacturer.
20. Do not use the unit if it has been physically damaged or abused. Physical damage/abuse would be (but not limited to):
    - Unit has been dropped.
    - Charger or plug has been damaged.
    - Liquid has been spilled on to the projector.
    - Projector has been exposed to rain or moisture.
    - Something has fallen in the projector or something is loose inside.

    Do not attempt to service the unit yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please contact your local reseller or service center before you send the unit for repair.
21. Do not let objects or liquids enter the projector. They may touch dangerous voltage points and short out parts that could result in fire or electric shock.
22. See projector enclosure for safety related markings.
23. The unit should only be repaired by appropriate service personnel.
24. Do not touch the projector for a long time while the projector is used.
25. CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type.
26. Dispose of Used Batteries According to the Instructions.

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Regulation & safety notices

This appendix lists the general notices of your Projector.

FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this device.

Operation conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

Declaration of Conformity for EU countries

- EMC Directive 2004/108/EC (including amendments)
- Low Voltage Directive 2006/95/EC
- R & TTE Directive 1999/5/EC (if product has RF function)

Disposal of old Electrical & Electronic Equipment

(Applicable throughout the European Union and other European countries with separate collection programs)

This symbol found on your product or on its packaging, indicates that this product should not be treated as household waste when you wish to dispose of it. Instead, it should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate disposal of this product. The recycling of materials will help to conserve natural resources.

This symbol is only valid in the European Union.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

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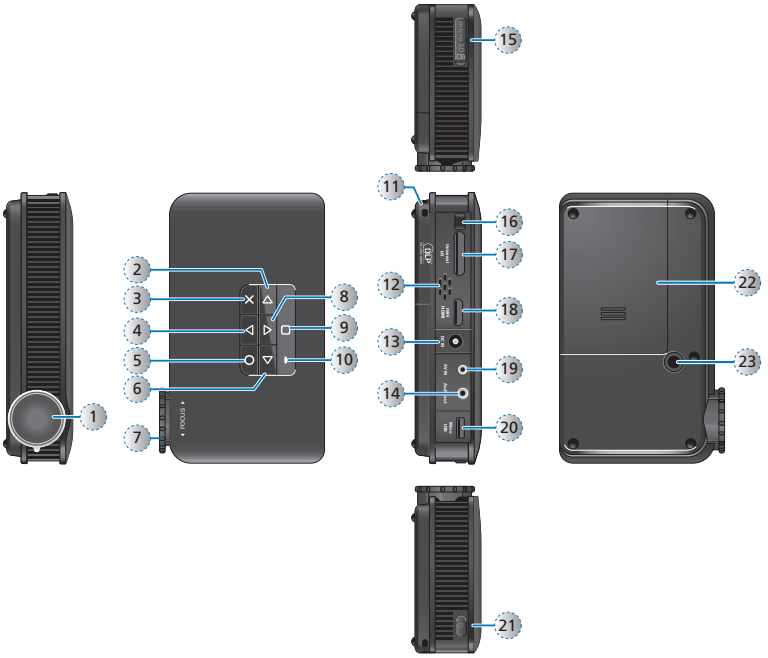
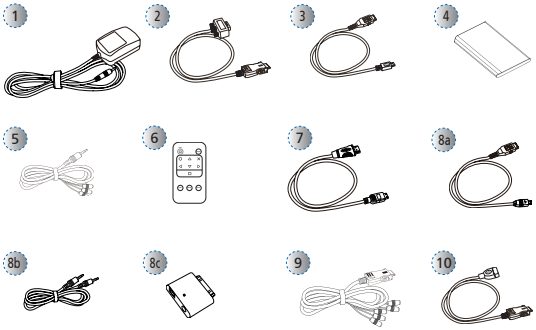
Product Overview



1. Lens
2. Right Button (▷)
3. Cancel / ESC Button (✕)
4. Up Button (△)
5. OK Button (○)
6. Left Button (◁)
7. Focus Dial
8. Down Button (▽)
9. Home Button (▢)
10. LED Indicator
11. Lanyard
12. Speaker
13. DC Input
14. Audio Out Connector
15. MicroSD Card Slot
16. IR Receiver
17. Universal I/O Connectort
18. Mini HDMI Connector
19. AV Input Connector
20. Micro USB Port
21. Power Button
22. Battery Cover
23 Screw Hole for Tripod Converter

<Note>
Items 2~6 and 8 are also function buttons. Functions vary depending on the current mode.

Package Overview



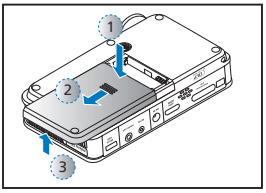
Standard Accessory
1. Power adaptor with AC plug
2. VGA cable
3. USB to micro USB cable
4. Battery
5. AV cable
6. Remote control

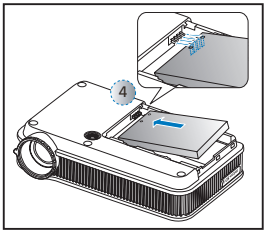
Optional Accessory
7. Mini HDMI cable
8. iPod connection kit
   a. USB cable for iPod connector
   b. iPod cable
   c. iPod connector
9. Component cable
10. USB cable (for flash drive)

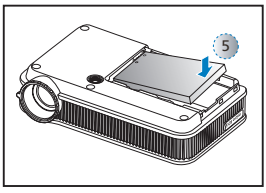
<Note>
The standard accessories may vary in each region due to different applications.

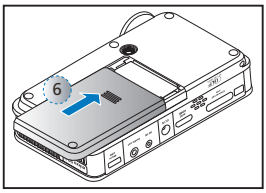
<Note>
The inclusive power plug head varies per region.

Install the Battery



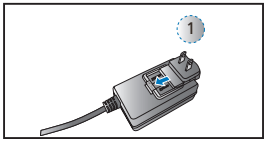


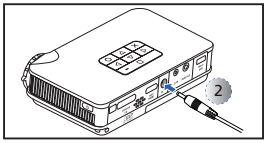


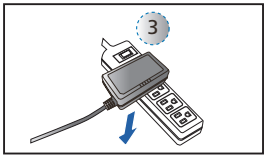


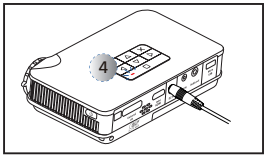
1. Remove the battery cover. (①~③)
2. Align the battery contacts with the contacts in the battery compartment. (④)
3. Push the battery to secure it in place. (⑤)
4. Slide the battery cover back into place. (⑥)

Charge the Battery







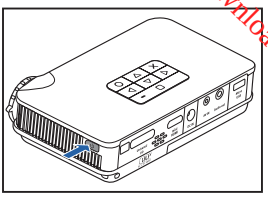


When the LED indicator lights red, the battery is low. Replace the battery immediately or connect the power adapter to charge the battery.

1. Make sure the projector is turned off.
2. Insert the plug. (①)
3. Connect the charger. (②~③)
4. During charging, the LED indicator lights red. (④)
5. The LED indicator turns green when the battery is fully charged. This process may take up to 2.5 hours.

<Note>
1. The battery will not charge while the projector is operating.
2. For LED indicator information, see page 23.
3. After the projector is turned off, the battery may not start charging right away due to over temperature protection. The projector will automatically start charging once it cools off.
4. The battery has a lifespan and ages every time it is charged and discharged. It will gradually loose its charging capability as it ages. Replace the battery at the end of its lifespan.

Power On / Off



Press the Power button to turn the projector on or off.

For first time use, the Language screen appears.

1. Highlight the desired language. (△▽◁▷)
2. Select the item. (⊙)

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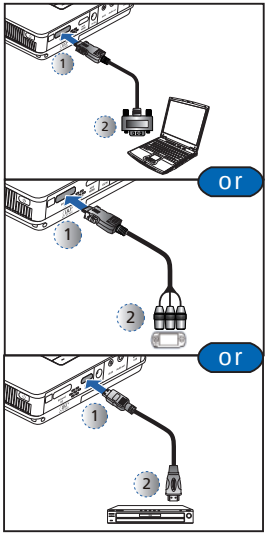
Connect Input Source - VGA / Composite / HDMI

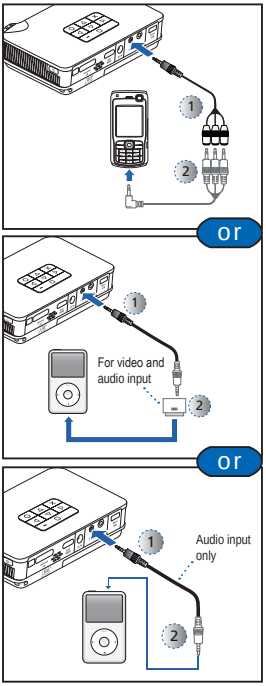


Connect the VGA / Component / HDMI device using an appropriate cable. (①~②)

⚠ Insert the universal connector with the arrow mark facing down.

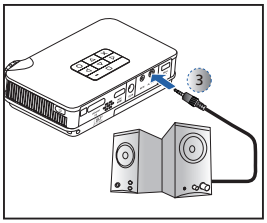
<Note>
Component and HDMI cables are not included in the package.

Connect Input Source - Video in / Audio in

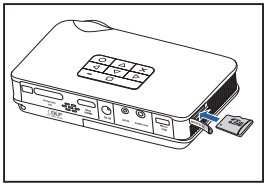


1. Connect the AV input source. (①~②)
2. Connect external speakers to the audio out connector of the projector. (③)

<Note>
1. All other brand and product names are trademarks or registered trademarks of their respective companies.
2. The cables connecting the video output devices are not supplied, please contact the device vendor.
3. iPod nano/iPod touch/iPhone/iPod classic (version 5 and above)
4. Designed for iPod/iPhone/Mobile phone/PMP with TV out functions. Using with devices with audio signal voltage > 0.3Vrms is not recommended.
5. The optional USB cable for iPod Connector is used to charge the iPod device using a computer.



Insert Data Source - MicroSD Card



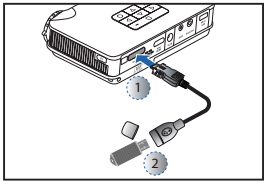
By default, the projector displays from the internal memory. However if a microSD card is inserted, the projector reads from the microSD card first.

Insert a microSD card into the slot with the gold contacts facing down.

The projector projects media files directly from data sources: internal memory, microSD card, or external source (USB).

<Note>
- To remove the microSD card, push the card to eject it from the slot.
- Do not remove the microSD card while the projector is projecting image from the card. This can cause data loss or damage the card.
- Supports microSD card size up to 32GB.
- The microSD card is not included in the package.

Insert Data Source - USB (External Source)

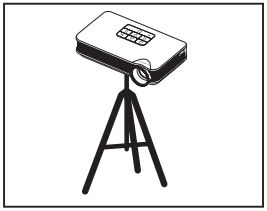


The projector reads data from the USB flash drive first if one is inserted.

Connect the USB flash drive to the projector using a USB cable (for flash drive). (①~②)

<Note>
1. USB cable (for flash drive) is not included in the package.
2. The projector only supports USB flash drive (up to 5V/150mA) with FAT32 format.
3. USB hard disk drive is not supported.

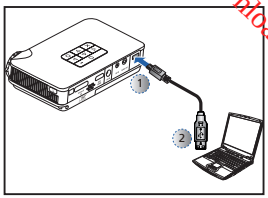
Use a Tripod Stand



Screw a standard tripod into the screw hole on the projector.

<Note>
The tripod is an optional accessory.

Connect Computer for Data Transfer



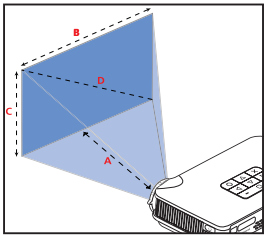
You can transfer data to the projector internal memory or the microSD card.

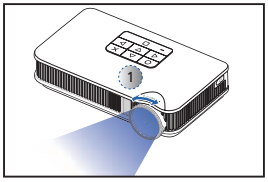
1. If turned on, turn off the projector.
2. Connect a laptop or PC using the supplied USB to micro USB cable.
3. Turn on the projector.
   See "How to Transfer Data via USB" on page 23.

<Note>
The laptop/PC can only detect the input source when the projector is switched on. The projection will stop when this connection is made.

Adjust the Projected Image

Projection Distance (A)		Screen Size - Width (B)		Screen Size - Height (C)		Screen Diagonal (D)	
Meter	inch	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
0.2	0.66	110	4.3	62.7	2.5	127	5
0.4	1.31	221	8.7	125.4	4.9	254	10
0.6	1.97	331	13.0	188.1	7.4	381	15
0.8	2.62	448	17.4	250.8	9.9	508	20
2.4	7.87	1325	52.2	752.3	29.6	1524	60
4.8	15.75	2651	104.4	1504.5	59.2	3048	120





Adjust the focus (①) until the image is clear.

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How to Use the Menu

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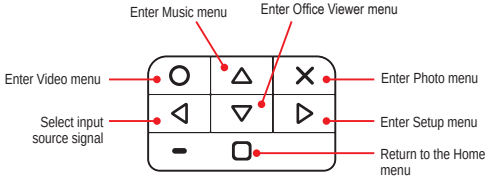
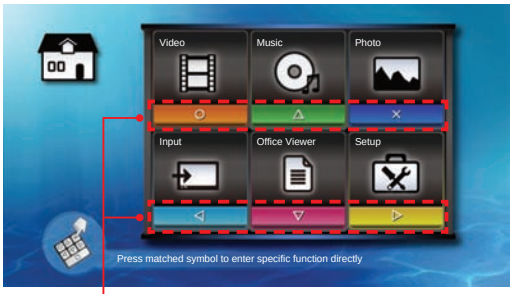


- Press the corresponding button of the desired option.
- Press ✕ to go back a previous screen.

<Note>
A button guide appears on the lower left corner of most screens (see below). The guide varies depending on the current mode. Press the corresponding button to select the option or operation.

Home menu



Press the corresponding button of the menu item that you want to access.
For example, to access Video, press ○.

Submenu

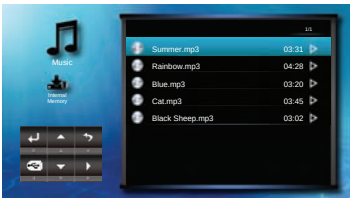
Data source icon
The projector reads from memory sources in the following order: External source (USB) » microSD card » internal memory.

External source | Internal memory | MicroSD card

Button guide
Press the corresponding button to select the option or operation.

Submenu Items

Video menu



Music menu

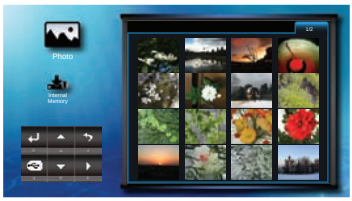
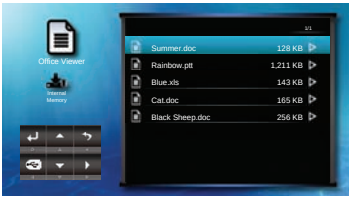


Photo menu



Office Viewer menu

Input menu

Setup menu

How to Play Videos - Source: Internal Memory / microSD Card / External Source

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Playing Videos from the Internal Memory, MicroSD Card, or External Source

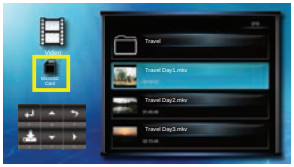
If an external source (USB) is inserted, the external memory is read first. If you want to read data from the microSD card or internal memory, press ◁ in the appropriate screen to change the data source. See steps below.

1. Select "Video"

2. Select Data Source

The screen, the source icon on the button guide, and the sequence in which screens appear vary depending on the available data source. If the external source or microSD card is not inserted, its screen is skipped when ◁ is pressed and the source icon on the button guide is not shown.

Change data source



Change data source

Change data source

3. Select Video File

<Note>
The displayed screen may vary depending on the selected data source on the previous step.

4. Playback File

or

If the selected video file is unfinished from a previous playback.

No

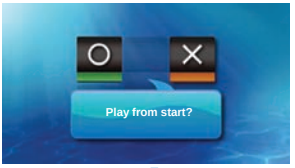
Playback from start

Yes

Video Playback mode (see page 8)

Yes

Playback from start



No

Playback from last point

How to Play Videos - Video Playback Mode

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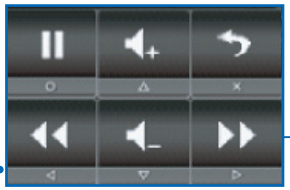
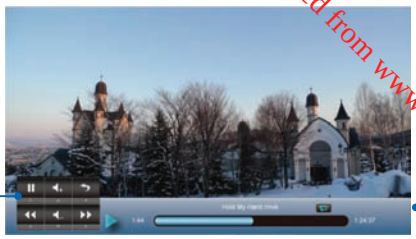
<Note>
The button guide disappears when the keypad is not used for 3 seconds.
To display the button guide, press any key except ✕ or ▭.





Adjust volume		Rewind	
Pause/Play		Back to previous screen	
Fast forward		Return to Home menu	

Repeat Icons

	Repeat all
	Repeat current video
	Repeat off

<Note>
To change repeat settings, see Video Settings below.

Video Settings

1. Select "Setup"

2. Select "Video Setting"

3. Adjust Settings

- Repeat all
- Repeat one
- Repeat disabled
- Browser display small icon
- Browser display large icon

Compatibility: Videos

Compatible Video Format

File Format	Video Decoder	Audio or Speech Decoder
.3gp	H.263 H.264 MJPEG	HE-AAC AMR-NB AMR-WB
.avi	H.263 H.264 MJPEG MPEG4	MP3 HE-AAC PCM/G.711

File Format	Video Decoder	Audio or Speech Decoder
.cmb	H.264	HE-AAC
.flv	Soreson Spark	MP3
.mp4	H.263 H.264 MPEG4	MP3 HE-AAC AMR-NB AMR-WB

File Format	Video Decoder	Audio or Speech Decoder
.mov	H.263 H.264 MJPEG MPEG4	MP3 HE-AAC PCM/G.711 AMR-NB AMR-WB
.wmv .asf	MPEG4 SP VC-1 (WMV9)	WMA

<Note>
Video format does not support content with B-Frame function.

Downloaded from www.vandenborre.be

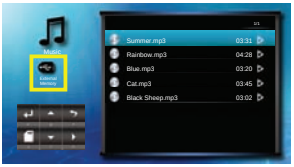
Playing Music from the Internal Memory, MicroSD Card, or External Source

If an external source (USB) is inserted, the external memory is read first. If you want to read data from the microSD card or internal memory, press ◁ in the appropriate screen to change the data source. See steps below.

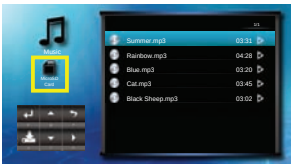
1. Select "Music"

2. Select Data Source

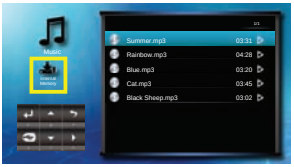
The screen, the source icon on the button guide, and the sequence in which screens appear vary depending on the available data source. If the external source or microSD card is not inserted, its screen is skipped when ◁ is pressed and the source icon on the button guide is not shown.



Change data source

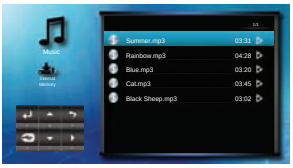


Change data source



Change data source

3. Select Music File

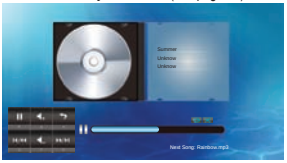


<Note>
The displayed screen may vary depending on the selected data source on the previous step.

4. Playback File

or

Music Playback mode (see page 10)



How to Play Music - Playback Mode

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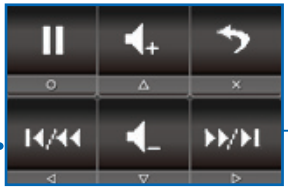
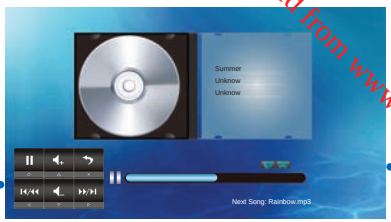
<Note>
The button guide disappears when the keypad is not used for 3 seconds.
To display the button guide, press any key except ✕ or □.





Adjust volume	△ ▽	Back to previous screen	✕
Pause/Play	○	Return to Home menu	□
Next track	▷	Fast forward (press and hold)	▷
Previous track	◁	Rewind (press and hold)	◁

Repeat / Shuffle Icons	
Repeat all	
Repeat current music	
Repeat off	
Shuffle on	
Shuffle off	

<Note>
To change repeat or shuffle settings, see Music Settings below.

Music Settings

1. Select "Setup"

2. Select "Music Setting"

3. Adjust Settings

○	Repeat all
	Repeat one
	Repeat disabled
△ ▽	Shuffle on
	Shuffle off

Compatibility: Music

Compatible Audio Format

File Format	Audio Decoder
.aac	HE-AAC
.adif	HE-AAC
.adts	HE-AAC
.amr	AMR-NB
.ape	APE
.ape	G.726
.asf	WMA9
.awb	AMR-WB

File Format	Audio Decoder
.flac	FLAC
.m4a	HE-AAC
.mp3	MP3
.ogg	Vorbis

How to View Photos - Source: Internal Memory / MicroSD Card / External Source

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Viewing Photos from the Internal Memory, MicroSD Card, or External Source

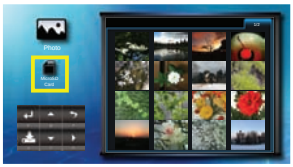
If an external source (USB) is inserted, the external memory is read first. If you want to read data from the microSD card or internal memory, press ◁ in the appropriate screen to change the data source. See steps below.

1. Select "Photo"

2. Select Data Source

The screen, the source icon on the button guide, and the sequence in which screens appear vary depending on the available data source. If the external source or microSD card is not inserted, its screen is skipped when ◁ is pressed and the source icon on the button guide is not shown.

Change data source

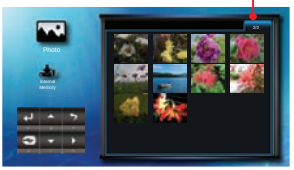


Change data source

Change data source

3. Select Page

Page indicator

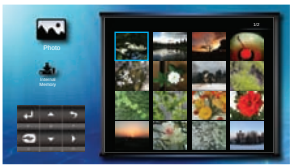


<Note>
The displayed screen may vary depending on the selected data source on the previous step.

4. Enter Current Page

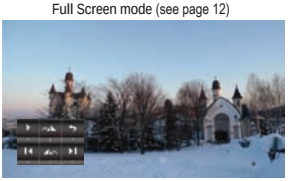
or

5. Browse Thumbnails



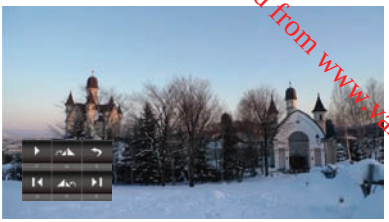
6. Preview File

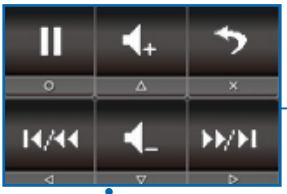
Full Screen mode (see page 12)



How to View Photos - Full Screen Mode

<Note>
The button guide disappears when the keypad is not used for 3 seconds. To display the button guide, press any key except ✕ or □.





Play slideshow	○	Rotate 90° clockwise	△
Next photo	▷	Rotate 90° counter-clockwise	▽
Previous photo	◁	Return to Home menu	□

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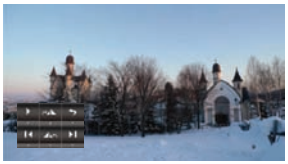
How to View Photos - Slideshow Mode

In Slideshow mode, photos are played continuously at a specified interval time while playing music stored in the internal memory as background.

<Note>
To change slideshow interval settings and enable/disable background music, see Slideshow Settings below.

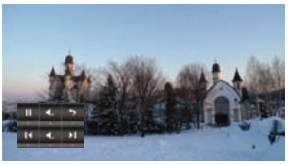
1. Enter Slideshow Mode

Full screen mode



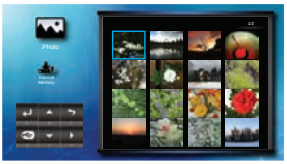
2. View Slideshow

Slideshow mode



Exit slideshow

3. Exit Slideshow Mode



<Note>
- Make sure that background music setting is "On" to enable this feature.
- Save the music files (*.mp3 format) under the "Slideshow Music" folder in the internal memory.
- Only music files stored in the internal memory "Slideshow Music" folder can be played as background music.

Pause/Play slideshow	○	Volume up	△
Next photo	▷	Volume down	▽
Previous photo	◁	Return to Home menu	□
Exit slideshow	✕		

Slideshow Settings

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1. Select "Setup"

2. Select "Slideshow"

3. Adjust Settings

- Timer: 2-second interval
- Timer: 5-second interval
- Timer: 10-second interval
- Background music on
- Background music off

Compatibility: Photo

Compatible Photo Format

File Format	File Extension
BMP	*.bmp,
JPG	*.jpg
JPEG	*.jpeg

<Note>
The projector supports the following photo resolution:
- Bitmap file up to 2M (megapixels) each
- Jpeg file up to 10M (megapixels) each

If a photo resolution is over these limitations, the file will not be shown in the file directory screen.

<Note>
For optimum display performance of static photos or slide show playback, it is recommended to use smaller file size and lower resolution photos.

How to View Documents - Source: Internal Memory / MicroSD Card / External Source

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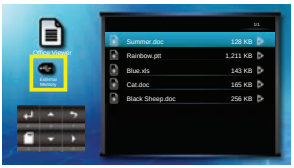
Viewing Documents from the Internal Memory, MicroSD Card, or External Source

If an external source (USB) is inserted, the external memory is read first. If you want to read data from the microSD card or internal memory, press ◁ in the appropriate screen to change the data source. See steps below.

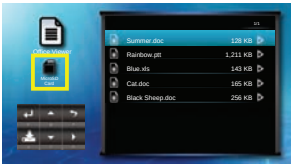
1. Select "Office Viewer"

2. Select Data Source

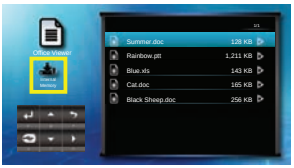
The screen, the source icon on the button guide, and the sequence in which screens appear vary depending on the available data source. If the external source or microSD card is not inserted, its screen is skipped when ◁ is pressed and the source icon on the button guide is not shown.



Change data source

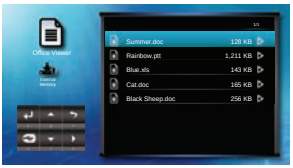


Change data source



Change data source

3. Select File

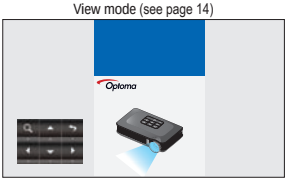


<Note>
The displayed screen may vary depending on the selected data source on the previous step.

4. View File

or

View mode (see page 14)



Compatibility: Document

The projector uses Picsel File Viewer to open and view Microsoft® Word files and Adobe® PDF files.

Supported Versions

Version
Microsoft® Word 95
Microsoft® Word 97
Microsoft® Word 2000
Microsoft® Word 2003
Microsoft® Word 2007
Adobe® PDF 1.0 ~ 1.4

Compatible Document Format

File Format	File Extension
Microsoft® Office Application (Word, Excel, Power Point)	.doc .docx .ppt .pptx .xls .xlsx
HTML	.htm .html
Adobe® PDF	.pdf

Font / Language Support

The projector has limited font support. When a document with unsupported font is opened, Office Viewer automatically substitutes the unsupported font with default system fonts. This may cause the document layout to look different.

<Note>
- Office Viewer supports embedded fonts in Adobe®PDF documents but not in Microsoft® Word documents.
- Embedded fonts are used in priority over the projector system fonts.

Font / Language	
Dutch	Portuguese
English	Spanish
French	Swedish
German	Traditional Chinese
Italian	Simplified Chinese
Japanese	Russia
Korean	Greek
Polish	

The projector supports one default font for each language.

How to View Documents - View Mode

<Note>
The button guide disappears when the keypad is not used for 3 seconds.
To display the button guide, press any key except ✕ or ▢.

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Zoom in 1x ~ 4x	○	Move left	◁
Page up	△	Move right	▷
Page down	▽	Exit View mode	✕
Pan up, down, left, right (in zoom mode)	△▽◁▷	Return to Home menu	▢

Display Settings

1. Select "Setup"

2. Select "Display Setting"

3. Adjust Settings

○	LED Mode: Movie (available only when the power adapter is plugged)	▽	Gamma: Bright
	LED Mode: Bright (available only when the power adapter is plugged)		Gamma: Movie
	LED Mode: Standard	◁	Aspect Ratio: Auto
	LED Mode: Economic		Aspect Ratio: 4:3
△	Color Mode: Extended		Aspect Ratio: 16:9
	Color Mode: Standard	▷	Projection: Front Desktop
▽	Gamma: Standard		Projection: Front Inverted
	Gamma: Presentation		Projection: Rear Desktop
			Projection: Rear Inverted

Select Menu Language

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1. Select "Setup"

2. Select "System"

3. Select "Language"

4. Select Language

Select your preferred menu language.
Options are: English, French, Spanish, Portuguese (Brazilian), German, Italian, Russian, Polish, Dutch, Swedish, Greek, Traditional Chinese, Simplified Chinese, Korean, Japanese

5. Confirm language / Return to Home menu

View Projector Information

1. Select "Setup"

2. Select "System"

3. Select "Information"

4. View Information

5. Return to Home Menu

Upgrade Firmware

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Software updates can be obtained from the OPTOMA website (www.optoma.com / www.optoma.eu /www.optoma.com.tw).

1. On your computer, create a folder named "upgrade".
2. Download the latest firmware from www.optoma.com and save it in the "upgrade" folder.
3. Copy the "upgrade" folder to the root folder of the microSD card.
4. Insert the microSD card into the microSD card slot of the projector.
5. Follow the steps below.

1. Select "Setup"

2. Select "System"

3. Select "Firmware Update"

4. Confirm Upgrade

5. Wait to Complete

Upgrade may take a while to complete, do not touch any keys

<Note>
A "No new firmware is found" message appears if there is no update file in the microSD card.

<Note>
- Do not touch any buttons or turn off the projector while upgrading is in progress. Otherwise, this may damage the projector.
- Do not remove the microSD card until the upgrade is complete.

6. Turn Off the Projector

When the screen below appears, update is complete. Press and hold the Power button for 6 seconds to turn off the projector

7. Turn On the Projector

Reset the System

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Resetting the System by Reset Menu

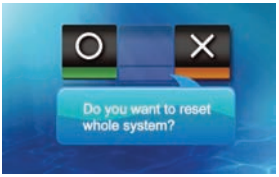
<Note>
When the system is reset, all files stored in the internal memory will be deleted. Ensure all files are backed up before resetting.

1. Select "Setup"

2. Select "System"

3. Select "Reset"

4. Confirm Reset



Yes

No

Reboot the projector

How to Use External Input Source: VGA / Composite AV / HDMI

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Selecting Input Source Manually

If more than one external devices are connected to the projector or the projector cannot automatically detect the external device. You have to manually select the input source. To do this, perform the following steps below.

1. Select "Input"

2. Select Input Source

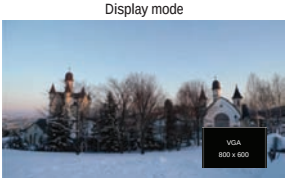
Select Input Source

- Video
- VGA
- HDMI
- Return to Home menu

Yes / No

3. Enter Display Mode

Display mode



or

<Note>
The signal message box briefly appears on screen; its label varies depending on the selected input signal.

4. Adjust Volume / Settings View Source Content

Display button guide

- Settings
- Volume up
- Volume down
- Aspect ratio
- Hide button guide
- Return to Home menu

5. Exit Display Mode

To exit display mode

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Changing Aspect Ratio Settings

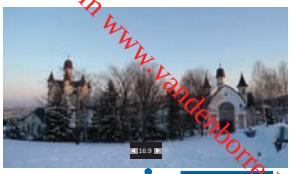
1. View Source Content

Display mode

Display button guide

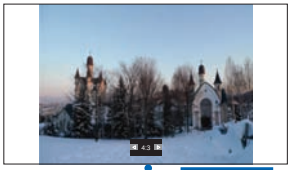
2. Select "Aspect Ratio"

3. Scroll Aspect Ratio Setting



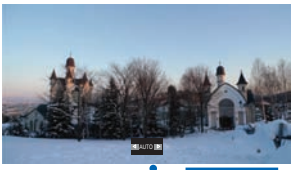
16:9

Scroll option



4:3

Scroll option



AUTO

Scroll option

4. Confirm Setting

<Note>
When no key is pressed within 10 seconds, the aspect ratio icon automatically disappears and its setting is applied.

Adjusting Contrast Settings

1. View Source Content

Display mode

Display button guide

2. Select "Settings"

3. Select "Contrast"

4. Adjust Setting

Exit contrast settings

Scroll other settings: Sharpness, Color, LED, Brightness

Return to Home menu

<Note>
When no key is pressed within 10 seconds, the contrast icon automatically disappears and its setting is applied.

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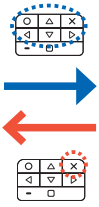
Adjusting Brightness Settings

1. View Source Content

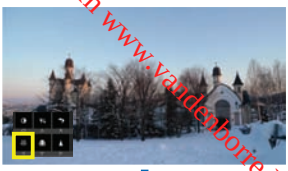
Display mode

Display button guide

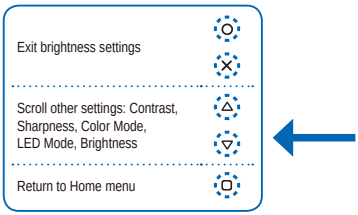


2. Select "Settings"

3. Select "Brightness"



4. Adjust Setting


Exit brightness settings
Scroll other settings: Contrast, Sharpness, Color Mode, LED Mode, Brightness
Return to Home menu

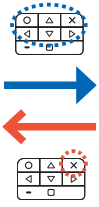
<Note>
When no key is pressed within 10 seconds, the brightness icon automatically disappears and its setting is applied.

Selecting LED Mode Settings

1. View Source Content

Display mode

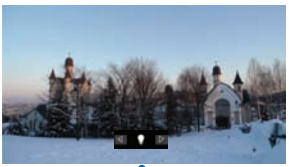
Display button guide

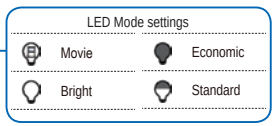


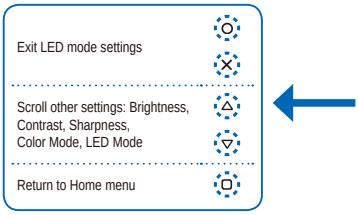
2. Select "Settings"

3. Select "LED Mode"

4. Adjust Setting







<Note>
When no key is pressed within 10 seconds, the LED mode icon automatically disappears and its setting is applied.

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Selecting Color Mode Settings

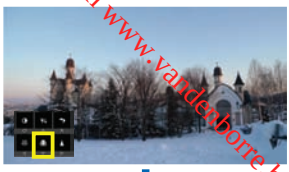
1. View Source Content

Display mode

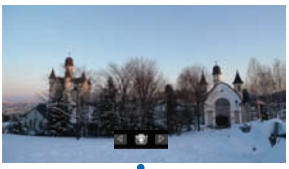
Display button guide

2. Select "Settings"

3. Select "Color Mode"



4. Adjust Setting



Color Mode settings

- Extended: Use to project more vibrant colored pictures
- Standard: Use to project standard colored pictures

Exit color mode settings

Scroll other settings: LED Mode, Brightness, Contrast, Sharpness, Color, LED

Return to Home menu

<Note>
When no key is pressed within 10 seconds, the color mode icon automatically disappears and its setting is applied.

Adjusting Sharpness Settings

1. View Source Content

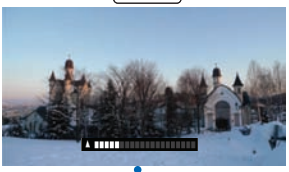
Display mode

Display button guide

2. Select "Settings"

3. Select "Sharpness"

4. Adjust Setting



Exit sharpness setting mode

Scroll other settings: Color Mode, LED Mode, Brightness, Contrast, Sharpness

Return to Home menu

<Note>
When no key is pressed within 10 seconds, the sharpness icon automatically disappears and its setting is applied.

How to Upload Files to Internal Memory

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When a computer is connected via USB, the projector automatically detects the connection and the message below appears on screen.

1. Confirm Transfer

Yes

No

Returns to the previous screen

<Note>
Displayed screen varies depending on the last session.

2. Upload Files by Computer

or

<Note>
The screen turns black after 60 seconds for power saving. Press ☐ to wake up the display.

3. Unplug the USB Cable

<Note>
Check your computer for the upload status. When upload is complete, you must unplug the USB cable to display the Home menu.

Compatible Video / VGA Mode

Timing Table

Mode	Resolution	V-Sync (Hz)
VGA	640x480	60
	800x600	60
	1024x768	60
	1280x720	60
	1280x800	60
	1024x600	60
Composite* Component HDMI	480i / 480P	60
	576i / 576P	50
	720p	50 / 60
	1080i	50 / 60

<Note>
Video format does not support content with B-Frame function.

Troubleshooting

If you experience a problem with your projector, please refer to the following information. If a problem persists, please contact your local retailer or service center.

Image Problems

? No image appears on-screen
- Ensure the cables/charger/ battery are correctly and securely connected.
- Ensure the pins of connectors are not crooked or broken.
- Make sure the projector is switched on.

? Image is out of focus
- Adjust the Focus Dial.
- Make sure the projection screen is between the required distance 9.6 to 126.6 inches (0.245 to 3.215 meters) from the projector. See page 5.

? Image is too small or too large
- Move the projector closer to or further from the screen.

? Image is reversed
- Select “Setup --> Display --> Projection” from the OSD and set the projection direction.

Audio Problems

? No sound
- During video or music playback, press the button.

Battery Problems

? Battery capacity is low
- Remove the battery and clean the connectors.
- The battery is worn out and needs to be replaced.
- The battery may not charge correctly after the projector is turned off due to the high temperature emitted by the projector. Let the projector cool for a while before connecting the charger.

LED Indicator

LED Color	Description
No light	In operation
Red	Battery charging
Green	Battery charging

<Note>
- The LED flashes red when the projector temperature reaches 80°C. It is recommended to switch off the projector to allow it to cool down.
- When the projector temperature reaches 85°C, the projector automatically shuts down due to the built-in temperature protection. This is not a malfunction. Let the projector cool down before switching it on again.

Media File Specs: Definitions

Term	Description
LBR	HE-AAC
SP	HE-AAC
ASP	HE-AAC
MP	AMR-NB
ML	APE
BP	G.726

Media File Specs: Audio / Image Containers

Audio Containers

Container	Audio Decoder
.aac	HE-AAC
.adif	HE-AAC
.adts	HE-AAC
.amr	AMR-NB
.ape	APE
.ape	G.726
.asf	WMA9
.awb	AMR-WB
.flac	FLAC
.m4a	HE-AAC
.mp3	MP3
.ogg	Vorbis

Image Containers

Container	Image Decoder
BMP JPG JPEG	*.bmp, *.jpg *.jpeg

Media File Specs: Video Containers

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Video Containers

Container	Video Decoder	Audio or Speech Decoder
.3gp	H.263 H.264 MJPEG	HE-AAC AMR-NB AMR-WB
.avi	H.263 H.264 MJPEG MPEG4	MP3 HE-AAC PCM/G.711
.cmb	H.264	HE-AAC
.flv	Soreson Spark	MP3
.mp4	H.263 H.264 MPEG4	MP3 HE-AAC AMR-NB AMR-WB
.mov	H.263 H.264 MJPEG MPEG4	MP3 HE-AAC PCM/G.711 AMR-NB AMR-WB
.wmv .asf	MPEG4 SP VC-1 (WMV9)	WMA

Media File Specs: Decoders

Audio and Speech Decoders

Audio or Speech Decoder	Layer, Version, or Mono/Stereo	Sampling Frequency	Maximum Bitrate	Compliance/Specification
ADPCM	4 variants, mono	48KHz	384kps	ITU-T G.726
AMR-NB	mono	8KHz	12.2kbps	3GPP TS 26.073
AMR-WB	mono	16KHz	23.85kbps	3GPP TS 26.073
APE	Fast, Normal, High	96KHz for Fast & Normal 48KHz for High	861kbps	Monkey's Audio source at http://files.monkeysaudio.com/MAC_SDK_406.zip
FLAC	stereo	96KHz, 24 bits per sampling	2.652Mbps	http://flac.sourceforge.net
HE-AAC	v1, L2	48KHz	256kbps	ISO/IEC 14496-3
MP3	MPEG-1 layer 1, 2, and 3 Audio	48KHz	320kbps	ISO/IEC 11172-3 for fully compliant audio decoder and ISO IEC 11172-4 for a Full Layer 3 decoder
PCM	-	48KHz	2304kbps	ITU-T G.711
Vorbis	stereo	48KHz	500kbps	http://xiph.org/vorbis/doc/Vorbis_I_spec.html
WMA8 WMA9	L1-3	48KHz	385kbps	Windows Media Audio Standard Decoder Specifications

Image Decoders

Image Decoder	Layer, Version	Maximum Megapixels	Compliance/Specification
JPEG	Baseline, non-interleave	12mp	ISO/DIS 10918-1

Video Decoders

Video Decoder	Profile, Level	Maximum Resolution & fps	Maximum Bitrate	Compliance/Specification
H.263	BP, L10 (Short Header Mode)	D1, 30fps	4Mbps	ISO/IEC 14496-2:2004
H.264	BP, L3	D1, 30fps	4Mbps	ISO/IEC 14496-2:2004
MJPEG	BP, non-interleave	800x480, 30fps	10Mbps	Support YUV444,422,420, and 411
MPEG4	ASP SP	D1, 30fps	4Mbps	ISO/IEC 14496-2:2004
Sorenson Spark	-	800x600, 30fps	4Mbps	H.263 variant
VC-1	SP@ML MP@ML	800x600, 30fps	2.6Mbps	SMPTE 421M

Appendix

Clause for Office / Document Viewer

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